



**National
Transportation
Safety Board**

The role of the NTSB in improving transportation safety: Historical overview and current issues

Robert Sumwalt, NTSB Chairman



Our mission:
Prevent Accidents
Reduce Injuries
Save Lives





Jennifer Homendy



Bruce Landsberg



Robert Sumwalt



Earl Weener





NTSB Medical Officers



Mary Pat McKay, MD, MPH
Chief Medical Officer



Nicholas Webster, MD
Medical Officer

NTSB Human Performance Investigators



Michael Hoepf



Katherine Wilson



Bill Bramble



Sathya Silva



Dennis Collins



Anne Garcia



Steve Jenner



Carrie Bell



Rafael Marshall

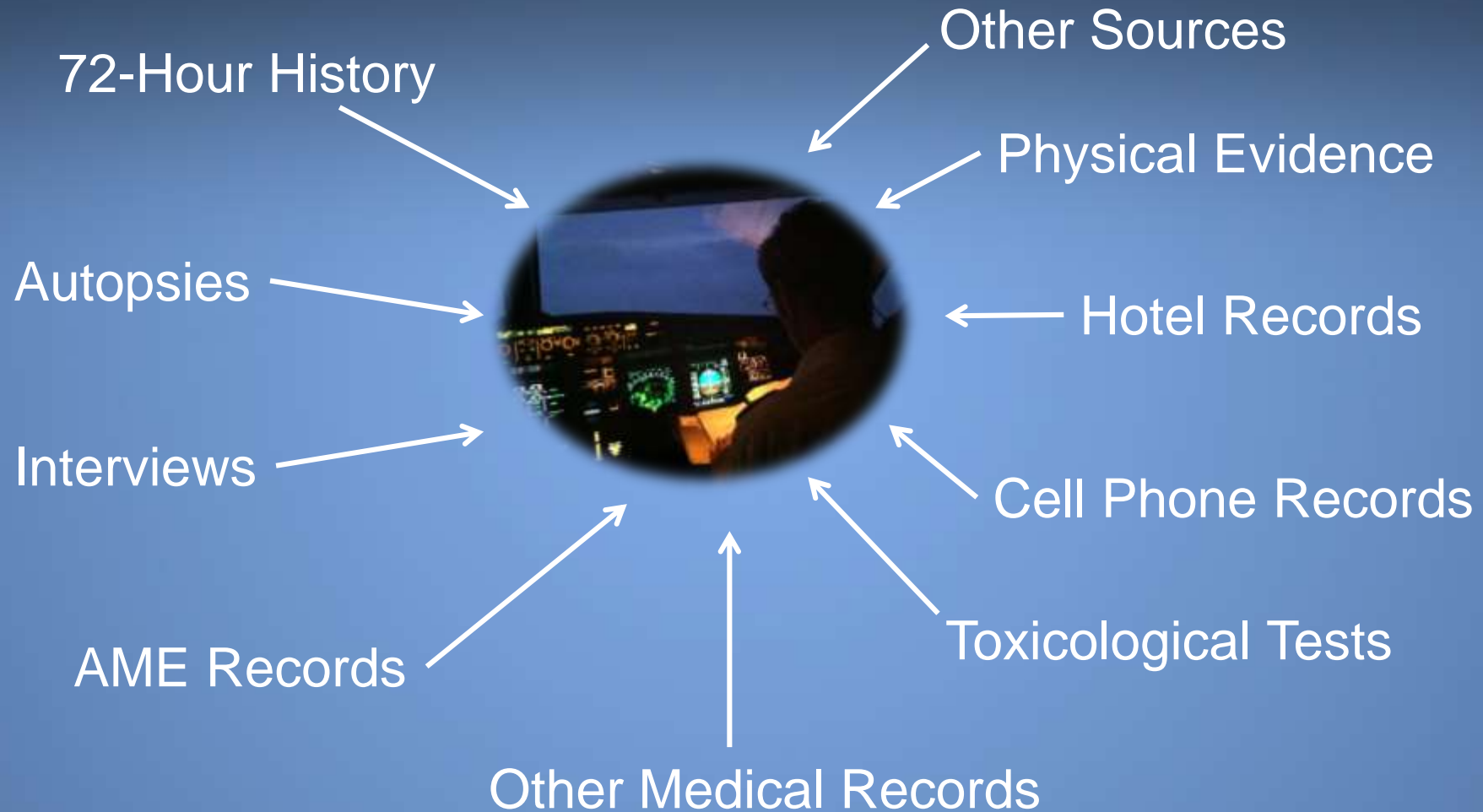


Jana Price



Kenny Bragg

Potential Sources of Information



NTSB Fast Facts

1900

accidents/crashes investigated in 2018

400

employees at NTSB

6

Rank in Best Places to Work in Federal Gov't





NTSB

Pilot's Medications

- Prescribed 13 medications

Many likely not impairing

- Toxicology: 5 likely impairing medications

Three prescription

Cyclobenzaprine, diazepam, oxycodone

Two over-the-counter

Dextromethorphan, diphenhydramine



These air tour operations ...

require this.



UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RR-4574359
MEDICAL CERTIFICATE SECOND CLASS
AND STUDENT PILOT CERTIFICATE

THIS CERTIFIES THAT (Full name and address)
JAMES RONALD SMITH
1234 SOUTH STREET
BEACH TOWN, CA 93449

DATE OF BIRTH	HEIGHT	WEIGHT	HAIR	EYES	SEX
07-16-40	76	200	BLACK	BLUE	M

has met the medical standards prescribed in Part 67, Federal Aviation Regulations for this class of Medical Certificate, and the standards prescribed in Part 61 for a Student Pilot Certificate.

STUDENT PILOTS ARE PROHIBITED FROM CARRYING PASSENGERS

DATE OF EXAMINATION: 05-03-96
EXAMINER'S SERIAL NO: WP-05-4321

EXAMINER'S SIGNATURE: *Donald E. Brown, M.D.*
TYPED NAME: DONALD E. BROWN, M.D.
AIRMAN'S SIGNATURE: *James Ronald Smith*

FAA FORM 8060-2 (10-77) SUPER REDESIGN PREVIOUS EDITION

FAA Medical Certificate

But, for commercial air tour balloon operations...

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

BB-4574359

MEDICAL CERTIFICATE THIRD CLASS
AND STUDENT PILOT CERTIFICATE

THIS CERTIFIES THAT (Put name and address)

JAMES RONALD SMITH
1234 SOUTH STREET
BEACH TOWN, CA 93649

DATE OF BIRTH 07-16-40 HEIGHT 76 WEIGHT 200 HAIR COLOR BLUE SEX M

has met the medical standards prescribed in Part 67, Federal Aviation Regulations for the issuance of a Medical Certificate, and the standards prescribed in Part 61, Federal Aviation Regulations for a Student Pilot Certificate.

STUDENT PILOTS ARE PROHIBITED FROM CARRYING PASSENGERS

DATE 05-03-98 EXAMINER'S SERIAL NO. MP-05-4321

DECLARED SIGNATURE *Donald E. Brown, M.D.*
TYPED NAME DONALD E. BROWN, M.D.
AIRMAN'S SIGNATURE *James Ronald Smith*

FAA FORM 8060-2 (10-77) SUPER REDESIGN PREVIOUS EDITION

No Requirement



NTSB recommendations to FAA:

- Require medical certificates for commercial balloon operators
- Better surveillance and oversight for commercial balloon operators



One Hundred Fifteenth Congress of the United States of America

SEC. 318. APPLICABILITY OF MEDICAL CERTIFICATION STANDARDS TO OPERATORS OF AIR BALLOONS.

(a) **SHORT TITLE.**—This section may be cited as the “Commercial Balloon Pilot Safety Act of 2018”.

(b) **IN GENERAL.**—Not later than 180 days after the date of enactment of this Act, the Administrator shall revise section 61.3(c) of title 14, Code of Federal Regulations (relating to second-class medical certificates), to apply to an operator of an air balloon to the same extent such regulations apply to a pilot flight crewmember of other aircraft.



NTSB

Drug Use Trends in Aviation:
Assessing the Risk of Pilot Impairment

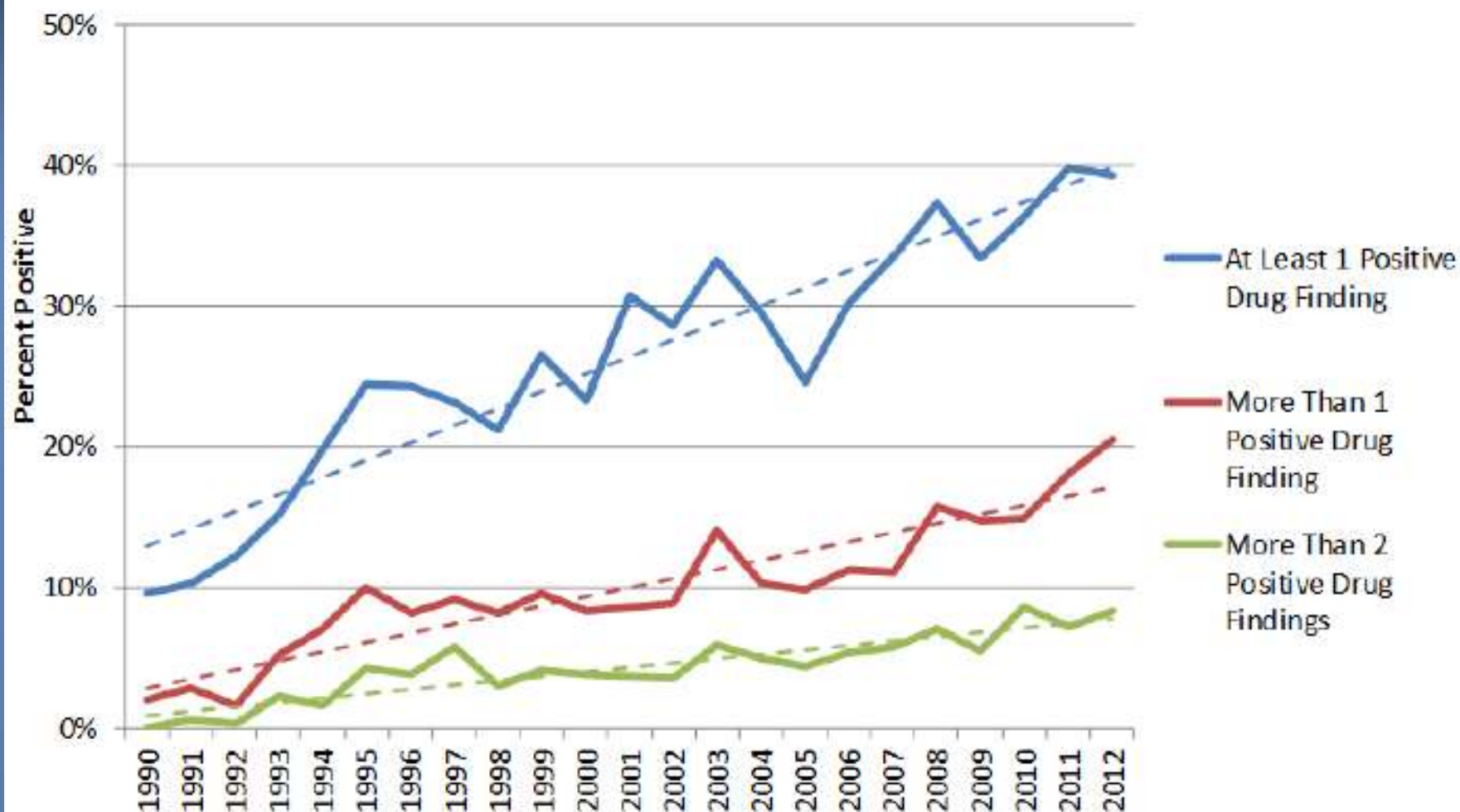


Safety Study
NTSB/SS-14/01
PB2014-108827



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Percentage of Study Pilots With Positive Toxicology Findings for All Drugs, 1990-2012





NTSB.gov



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Jana Price, Ph.D

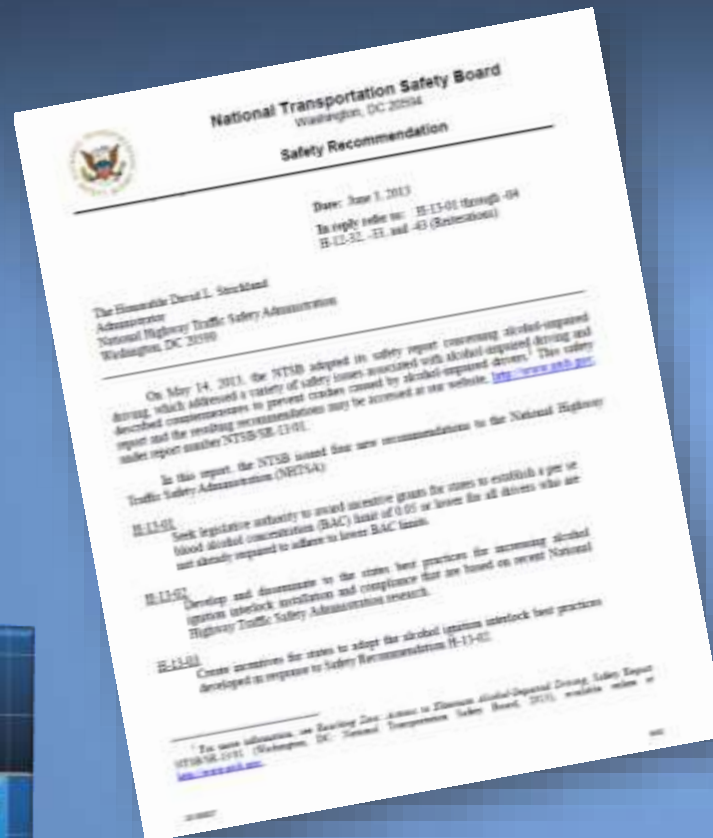




Nicholas Webster, MD







Leah Walton



Supporting Partners





National Transportation Safety Board